

# Bituproof 45F

Water based fiber reinforced bitumen coating



## Description

Bituproof 45F is a black/brown emulsified cold applied bitumen liquid reinforced with fiber and rubber.

Bituproof 45F is formulated to act as damp-proof and vapour barrier for concrete and masonry, as well as a general purpose primer for bituminous membranes.

## Applications

Bituproof 45F provides a vapour barrier, protective coating, and curing aid for:

- ▲ Under ground concrete foundations.
- ▲ Concrete and masonry block walls.
- ▲ Walls below cladding systems.
- ▲ Concrete slabs.
- ▲ Basement walls.
- ▲ Works as a primer for concrete, masonry surfaces, before applying waterproofing bituminous membranes.

## Advantages

- ▲ Fiber reinforced bitumen coating.
- ▲ Resists attack by chlorides and sulphate ions present in ground water.
- ▲ Easy to use.
- ▲ Economical.
- ▲ Water base, has no solvents.
- ▲ Does not rot.

## Method of Use

### Surface Preparation

Surface preparation is very important to get the highest performance of Bituproof 45F. Any surface to be coated must be clean, sound and free of oil or grease. Any oil or grease contamination should be removed with a chemical degreaser.

All holes should be filled with a suitable cementitious mortar before application of Bituproof 45F.

### Technical Properties @ 25°C:

Form:	Liquid
Density:	1.05 ± 0.05 g/cm <sup>3</sup>
Over coating time:	8 hr
Application temperature:	5 - 45°C
Dry time:	2 - 4 hr
VOC:	< 40 g/ltr

## Application

It is recommended that two coats of Bituproof 45F be applied. The second coat should be applied at right angle to the first coat. Allow a minimum of 2 hours between coats. Stir well before use.

When used as a general purpose primer for bituminous membranes, apply Bituproof 45F in one coat at a rate of approximately 5 m<sup>2</sup>/litre.

Bituproof 45F may be applied by brush, broom or squeegee.

## Cleaning

Tools and equipment can be cleaned with water when still wet. Dried Bituproof 45F may be removed with DCP Solvent.

## Packaging

Bituproof 45F is available in 18 and 200 litre drums.

## Coverage

3 - 5 m<sup>2</sup>/litre per coat, to achieve a dry film thickness of around 70 - 110 microns per coat, depending on surface roughness.

## Storage

Store away from direct sunlight, and protect from freezing.



# Bituproof 45F

## Shelf Life

Bituproof 45F has a shelf life of 12 months from date of manufacture if stored in proper conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## Cautions

### Health and Safety

As with all bituminous products, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

## Fire

Bituproof 45F is nonflammable.

DCP Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

*Flash Point:*

DCP Solvent: 37°C.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.



### Note:

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